

FIG. 1

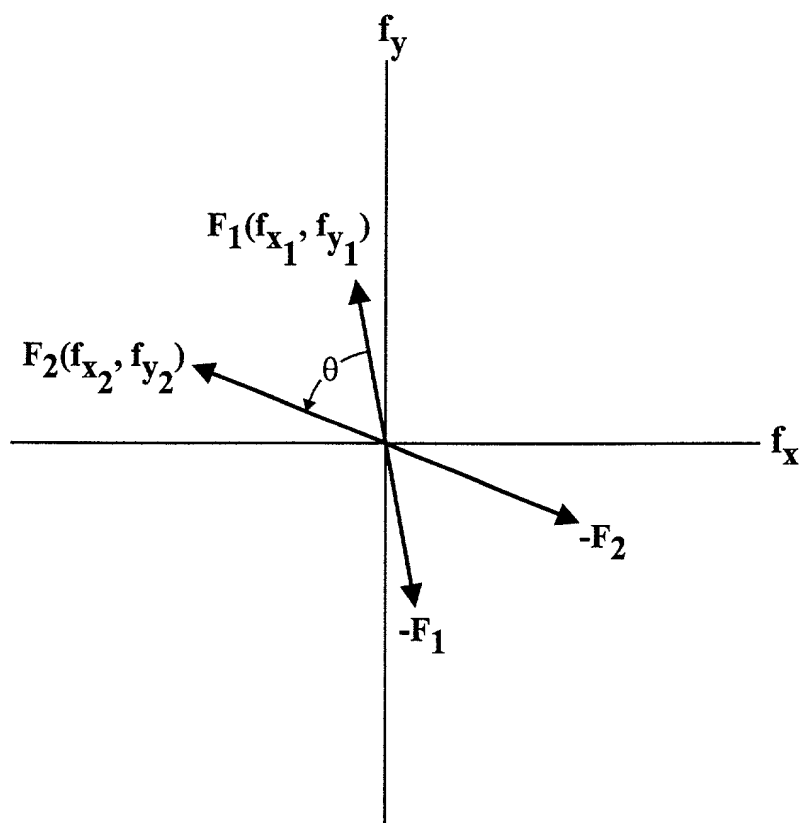


FIG. 2

Fig. 3

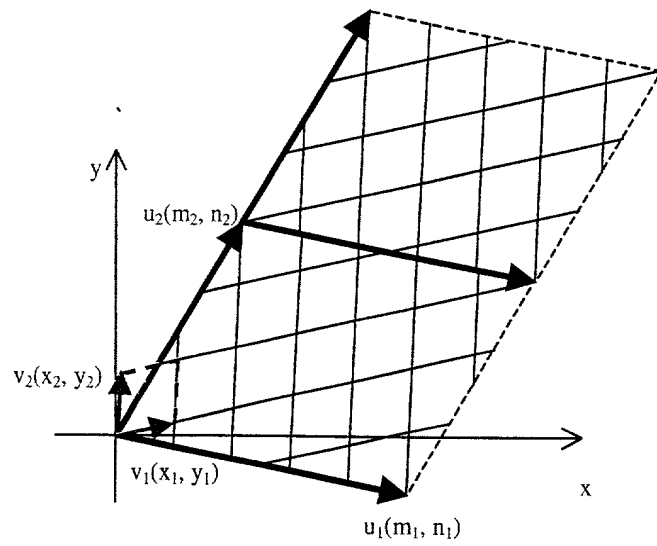
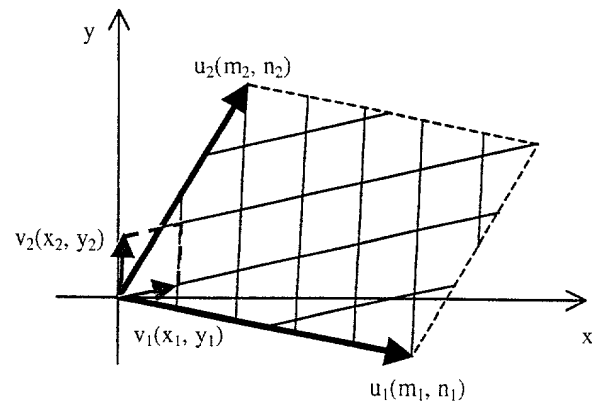


Fig. 4

Set desired frequencies
and screen angles
 F_1, F_2 — 100

Find subcell specification v_1, v_2
by Eqs. (4a) - (4d) — 110

Select a set of K_1, K_2, K_3, K_4
 $K_1, K_2, K_3, K_4 = 0, \pm 1, \pm 2, \dots, K$ — 120

Find real-number u_1, u_2 by
 $u_1 = K_1 v_1 + K_2 v_2,$
 $u_2 = K_3 v_1 + K_4 v_2$ — 130

Round off u_1, u_2 to get
closest integer solution
 $u_1'(m_1, n_1), u_2'(m_2, n_2)$ — 140

Find approximate solution v_1', v_2'
by solving
 $u_1' = K_1 v_1' + K_2 v_2'$
 $u_2' = K_3 v_1' + K_4 v_2'$ — 150

$v_1 - v_1'$
 $v_2 - v_2'$
okay? — 160

Yes
Save the
supercell
solution — 170

no
try another set — 180

Figure 5

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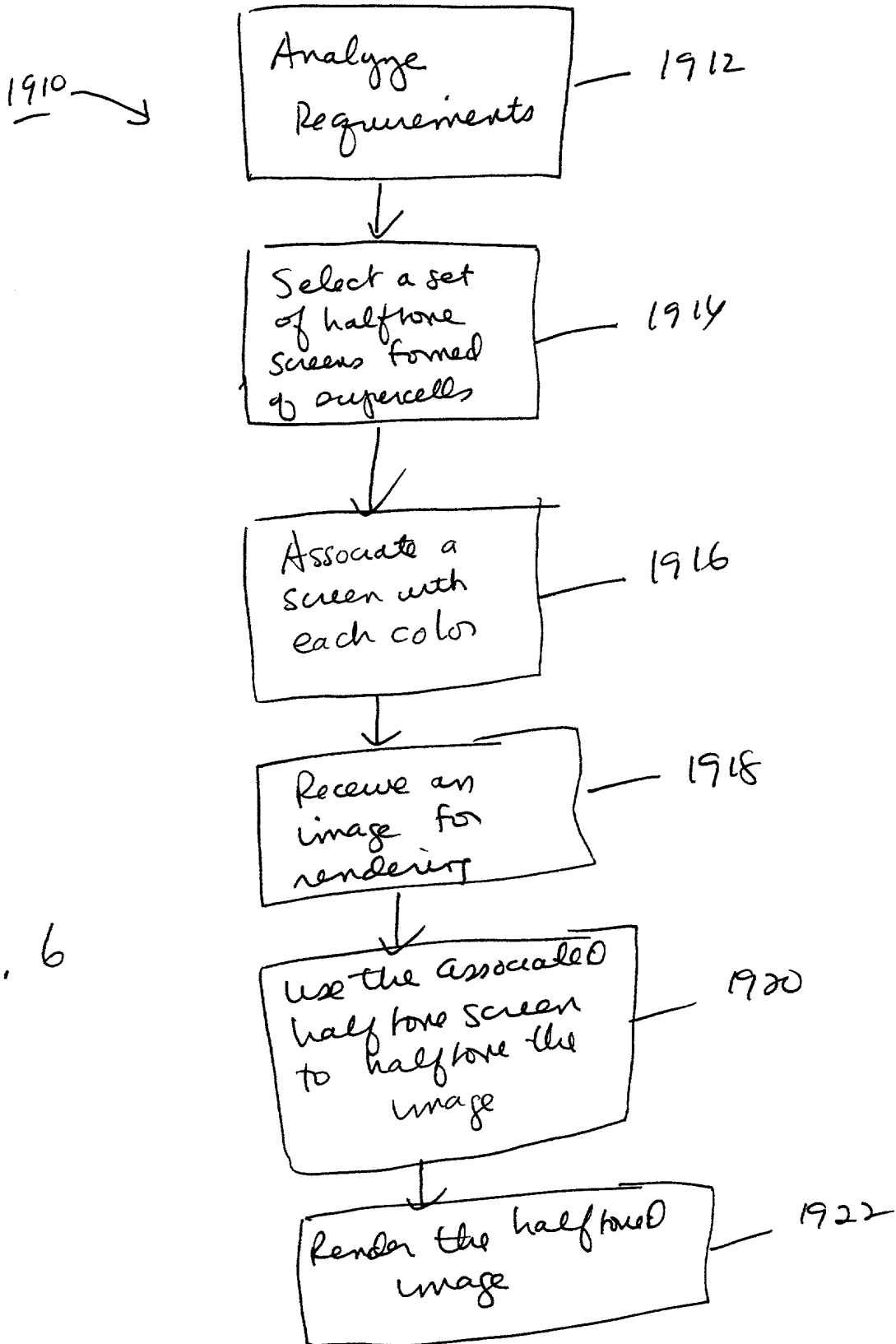


Fig. 6

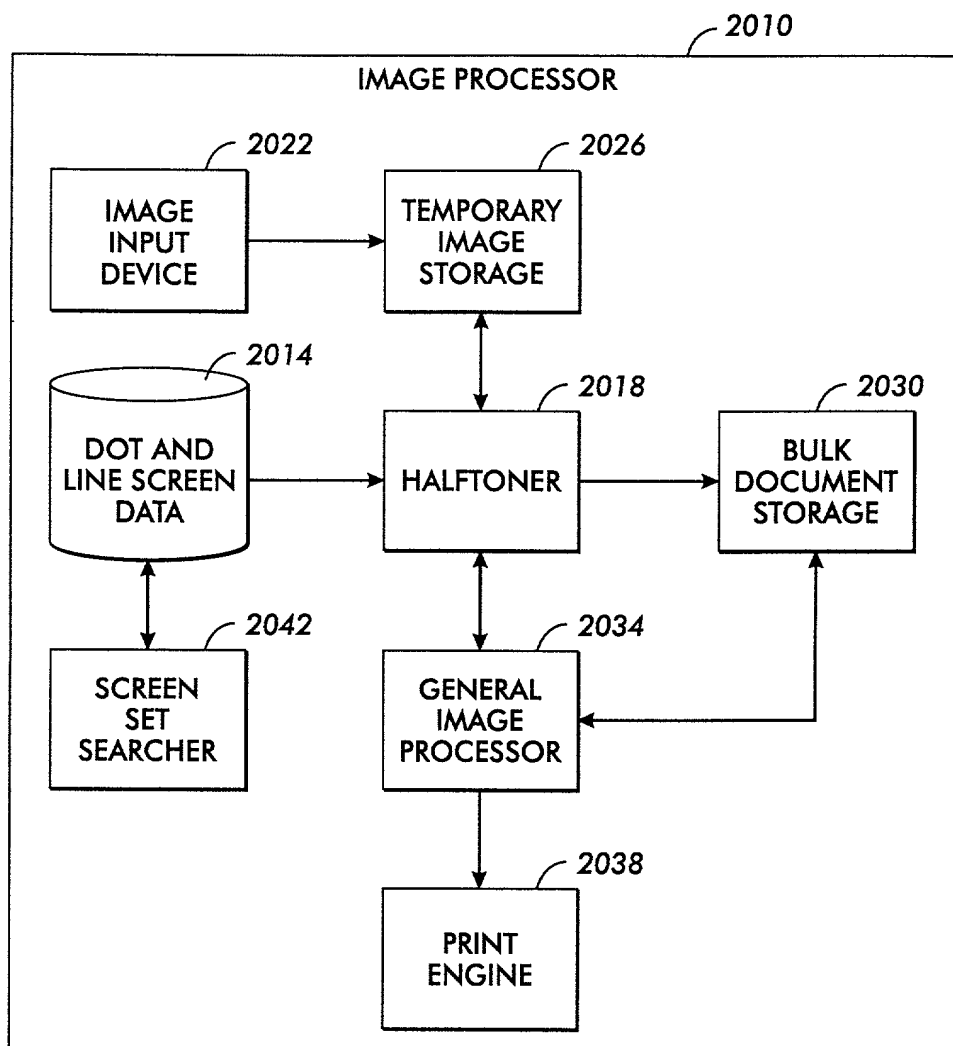


Fig. 7